Name:

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Geometry, Period

Due Date: Thu, 4 Sep 2014

**Geometry**

**Homework**



Solve the systems of equations below using the method described. If you want to check your work or are having trouble, visit the [yaymath YouTube link](https://www.youtube.com/watch?feature=player_embedded&v=gaAYFsBFTno#!) on the wiki.

1. **Substitution Method**
2. and . Solve for both x & y in either order. (Your answer may be written as x=? and y=? or as (x,y).
3. and . What is xy?
4. **Elimination Method** (aka Adding / Subtracting Method)
5. **Both methods** – Try solving the same problem using both methods. Which is easier?
6. and

**Substitution method:**

**Elimination method:**

1. **Word Problems – your choice of methods.**
2. Julia is buying miniature cars. She wants to buy 8 cars total for a big race she and her friends are having. Red cars are $4 dollars each. Black cars are $5 dollars each. If she spends $38, how many red cars did she buy?
3. Alyssa mows lawns during the summer. On the weekdays, she gets $40 per lawn. On the weekends, she gets $60 per lawn. If Alyssa mowed 26 lawns and earned $1060, how many lawns did she mow on the weekdays and how many on the weekends?
4. Mei received some gift cards for music and movie downloads for her birthday. Using one of them, she downloaded 19 songs and 10 movies, which cost a total of $109. Using another, she purchased 19 songs and 9 movies, which cost a total of $100. How much does each download cost?